



## **INSTITUTE OF LIVER AND BILIARY SCIENCES**

(An autonomous under Government of NCT Delhi)

D-1, Vasant Kunj, New Delhi, India

Phone No : 011-46300000, Ext- 7055 & 7066, 011-26706700-02

Fax No. 46300010, Email : info@ilbs.in, Website : <http://www.ilbs.in>



## **ISTH-ILBS**

### **Symposium on coagulopathy in liver disease 2019**

*Date: 2<sup>nd</sup> & 3<sup>rd</sup> March 2019*



*Organised by:*

**International Society of Thrombosis and Hemostasis and  
Department of Hematology, Institute of Liver and Biliary Sciences**

*Venue:*

**A.P.J. Abdul Kalam Auditorium, ILBS, New Delhi**

**The institute of liver and Biliary sciences (ILBS)** has a University status which aims to become an international centre of excellence for the prevention and cure, advance competency- based training and cutting edge research in liver, biliary and allied sciences.

**International society of Thrombosis and Hemostasis (ISTH)** is a global organisation advancing the understanding, prevention, diagnosis and treatment of thrombotic and bleeding disorders.

This symposium aims to focus on the most recent development in pathophysiology, diagnosis and clinical management of hemostatic complications, thrombotic disorders, and platelet disorders in patients with liver disease. The symposium would be beneficial for clinical haematologists, Hepatologists, Anaesthetist, Critical care specialist, transplant surgeon, Pathology students and basic scientists.

**Patron**

Dr. S. K. Sarin

**Organising Secretaries**

Dr. Chhagan Bihari

Dr. Rakhi Maiwall

**Treasurer**

Dr. Radhika Kapil

Dr. Sadaf Khan

**Organising Committee**

Dr.Chhagan Bihari

Dr. Rakhi Maiwall

Dr. Radhika Kapil

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Dr. Sukriti

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Dr. Vandna Saluja

Dr. Anupam Kumar

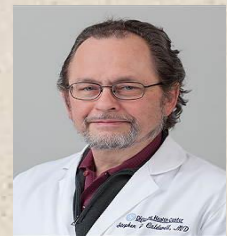
# *International speakers*

## DR. PATRICK G NORTHUP



- Associate professor, Medicine, University of Virginia School of medicine
- Research interests include viral hepatitis, liver transplantation, hepatocellular carcinoma, coagulation disorders in chronic liver disease, organ allocation, economic modelling, portal hypertension, hepatorenal syndrome, and medical education.
- Former member of the University of Virginia Institutional Review Board for Human Research.
- Consultant to the U.S. FDA and the U.S National Institutes of Health.
- Recipient of the 2007 American association for the study of Liver Diseases Jan Albrecht award for clinical research.

## DR. STEPHEN CALDWELL



- Director of Hepatology
- Professor of Medicine, in the Division of Gastroenterology and Hepatology, University of Virginia.
- Dr. Caldwell is board-certified in internal medicine and gastroenterology.
- Stephen Caldwell, MD, is a hepatologist specializing in nonalcoholic steatohepatitis (NASH), including its relationship to so-called cryptogenic cirrhosis, ethnic and familial relationships and the role of mitochondrial dysfunction in the disease. He and his colleagues pioneered work on cellular ballooning and the role of small fat droplets in NASH and have also worked extensively with cyanoacrylates in the treatment of gastric variceal bleeding. He is overseeing a number of treatment trials for NASH and a variety of other liver diseases and is closely involved with a network of physicians and scientists working with coagulation disorders in liver disease.



## DR. FRANCESCO VIOLI



- Professor of internal Medicine at the department of Internal Medicine and Medicinal Specialities.
- Head of the school of specialisation in Internal Medicine for the Polo Pontino the First Faculty of Medicine, University of Rome “La Sapienza”.
- The expertise of Prof Violi are : mechanisms of platelet activation in clinical models of atherosclerosis such as ischemic heart disease, cerebrovascular disease and peripheral; oxidative stress at the cellular and systemic physiological or functional modulation through antioxidant drug therapies; mechanism of vascular damage induced by lipid efficacy evaluation of antithrombotic therapies.
- From 2013 he held the position of DAI Director of Internal Medicine, Medical Therapy, Geriatrics and Rehabilitation Medicine
- He is the author of 395 publications with high IF.

## DR. KLAUS GOERLINGER



- Dr. Klaus Görlinger is an internationally renowned anesthetist with three decades of experience in anesthesiology including research focused on development and implementation of point-of-care-guided algorithms for goal-directed perioperative bleeding management, and marked by several publications in professional and scientific journals.
- For over 25 years Dr. Görlinger was the Senior Consultant for Anaesthesiology, Intensive Care and Emergency Medicine, Pain Therapy, and Haemostaseology at the Department of Anaesthesiology and Intensive Care Medicine, University Hospital Essen, Germany, responsible for trauma surgery and emergency medicine, visceral surgery and liver transplantation, and thoracic and cardiovascular surgery. Later for three years, he was the chair of the ‘Clinical Haemotherapy and Haemostasis Management’ of the German Interdisciplinary Association of Critical Care and Emergency Medicine (DIVI).
- He also was a member of the scientific subcommittee ‘Transfusion and Haemostasis’ and the ‘Task Force for Management of Severe Perioperative Bleeding’ of the European Society of Anaesthesiology (ESA).
- He is currently the Medical Director PBM Instrumentation Laboratory Munich.

## DR. TON LISMAN



- Professor of Experimental Surgery, Surgical Research Laboratory, Department of Surgery, University Medical Center Groningen, The Netherlands
- Dr. Lisman is one of the few experts worldwide on clinical and fundamental research on bleeding and thrombosis in patients with liver diseases.
- His studies have had profound consequences for clinical management, and have led to world-wide changes in the approach to treatment and prevention of bleeding in patients with liver diseases
- His group has also provided evidence that platelets support liver regeneration in humans and have identified functional platelet RNA transfer to hepatocytes as a key factor in platelet-mediated hepatocyte proliferation
- Reviewer for various journals including Blood, Journal of Thrombosis and Haemostasis, Thrombosis and Haemostasis, Hepatology, Journal of Hepatology, Liver International, Liver Transplantation, British Journal of Surgery
- Associate Editor, Journal of Thrombosis and Haemostasis. Editorial Board Member, F1000 Research. Grants Review Committee Member, NWO TOP grants, Netherlands Organisation for Scientific Research. Member of F1000 Faculty, section Bleeding and Coagulation Disorders

# Scientific Programme

Day 1: 2<sup>nd</sup> March 2019 (Saturday)

09.00-09.15	<b>WELCOME ADDRESS AND INAUGURATION</b>	
<b>SESSION 1: INTRODUCTION AND GENERAL CONCEPTS</b>		
09:15-9:45	General principles of Coagulation system	Sukesh Nair
9:45-10:05	Endothelial and vascular dysfunction in liver disease	Pravas Mishra
10:05-10:30	Coagulopathy in cirrhosis	<b>Ton Lisman</b>
10:30-10:50	Clinical questions in Liver coagulopathy	Sunil Taneja
10:50-11	Discussion	
11:00 -11:15	<b>TEA BREAK</b>	
<b>SESSION 2: BLEEDING IN LIVER DISEASE</b>		
11:15-11:35	Bleeding in liver disease with infections	Rakhi Maiwall
11:35-11:55	Hyperfibrinolysis in liver disease	Renu saxena
11:55-12:15	Thrombocytopenia in critically ill liver patients	Dalim Kumar Baidya
12:15-12:35	Acquired coagulation disorders in liver malignancy	Narender Tejawani
12:35-01:05	“State of art” lecture Liver disease: who bleeds?	Stephen Caldwell
1:05-1:30	Management of BLEEDING issues in liver disease	PG Northup
1:30-01:40	Discussion	
01:40- 2:30	<b>LUNCH BREAK</b>	
<b>SESSION 3: THROMBOSIS IN LIVER DISEASE</b>		
02:30-2:50	Hypercoagulable state in liver disease and how to measure?	C E Eapen
2:50-3:10	What could be the effect of inherited coagulation disorders on liver	Shalimar
3:10-3:40	“State of art” lecture: Portal thrombosis : from mechanism of disease to therapy	F. Violi
3:40-4:00	Rationale of Anticoagulant therapy in cirrhosis	Akash shukla
4:20-4:50	Management and monitoring of thrombotic complications liver diseases	M. Wadhavan
4:50-5:00	Sponsored symposia	
5:00-5:25	“State of art lecture” Platelets in liver disease : the good, bad and ugly	PG Northup
5:25-7:00	<b>Workshop on TEG, ROTEM, SONOCLOT based coagulation monitoring</b>	
<b>Course co-ordinators: Dr. Klaus Gorlinger, Dr. Vandna, Dr. Kelika, Dr. Radhika, Dr. Sadaf,</b>		



## Day 2 : 3<sup>rd</sup> March 2019 (Sunday)

SESSION 1: CLINICAL AND LABORATORY CONUNDRUMS		
09:00-09:20	TEG testing: clinical utility in coagulation monitoring	Manish Tandon
09:20-09:40	Sonoclot signature analysis in assessment of coagulopathy in liver disease	Anupama Patil
09:40-10:30	ROTEM : Guided management in liver diseases and liver transplant	Klaus Goerlinger
10:30-10:45	TEG vs SOC in acute non Variceal bleed	Juned Khan
10:45-10:50	Discussion	
10:50-11:00	TEA BREAK	
SESSION 2: EMERGING ASPECTS IN LIVER COAGULOPATHY		
11:00-11:30	New research techniques to assess coagulopathy in liver disease	Stephen Caldwell
11:30-11:45	Coagulation in liver failure	Madhumita
11:45- 11:15	Beyond thrombin generation: fibrin clot	Ton Lisman
12:00-12:15	Effects on coagulation of liver regeneration by exogenous growth factors	Priyanka Saxena
12:15-01:00	Abstract/Posters	
1:00-1:20		Sachin Gupta
1:20-1:30	Discussion	
01:30-02:30	LUNCH BREAK	
SESSION 3: LIVER COAGULOPATHY IN CRITICAL SETTINGS		
02:30-3:00	State of art: Acquired coagulopathies in ACLF	Ton Lisman
03:00-03:30	Complicated coagulopathy in critically ill liver patients : role of microparticles, DAMPS, PAMPS, & TF	F. Violi
03:30-04:00	DIC in ICU	Shrikanth Srinivasan
04:00-04:30	Haematological predictors in sepsis	Nitin Jain
04:30-4:45	SPONSORED SYMPOSIUM	
05:00-05:25	Current available clinical tests and limitation	Sukesh Nair
5:25-5:45	Indications and triggers for transfusions in liver failure cases	Stephen Caldwell
5:45-6:00	Plasmapheresis in liver disease	Meenu Bajpai
05:45-06:00	VALEDICTORY FUNCTION	

# **WORKSHOP ON VISCOELASTIC METHODS (ROTEM, TEG, SONOCLOT)**

We invite to attend a workshop Viscoelastic Methods (ROTEM, TEG, Sonoclot)

Guided By: **Dr. Klaus Gorlinger, Dr. Vandna, Dr. Kelika, Dr. Radhika, Dr. Sadaf**

Date : 2<sup>nd</sup> March 2019

Time : 5:00 pm-7:00pm

Venue : Hematology Lab

Number of Participants: 30 (limited seats)

Registration Fee (only workshop): Rs. 750

Workshop fee if already registered for conference: Rs. 500

In the workshop, the participants will be guided to perform:

1. Hands on training assessment of global coagulation methods
2. Principles and functioning of viscoelastic techniques of coagulation measurement
3. Interpretation of results
4. Didactic lectures
5. POCT guided transfusion protocols

This Workshop will be helpful for: DM students, interventionists, Hematologists, pathologists, scientist, clinicians, and physicians

**Register before 20<sup>th</sup> February 2019 at: <https://goo.gl/HKUxen>**



## *Guidelines for oral / Poster Presentation*

- All abstracts must be submitted through the official email [isth.ilbs@gmail.com](mailto:isth.ilbs@gmail.com)
- The abstracts must contain original content which is not published or presented at any other national conferences.
- The abstract should not be more than 250 words.
- Submitter must write the name of the presenter, institute's name, and contact details.

The abstract should contain the following sub headings:

- ❖ Aims and objectives
  - ❖ Patients/Material & Methods
  - ❖ Results
  - ❖ Conclusion
- Notification regarding acceptance of the submission along with the guidelines for presentation will be sent to the author to the email provided while submitting the abstract by **30<sup>th</sup> January 2019**.
  - The scientific committee reserves the right to accept/reject the abstract submitted
  - After a scientific committee meeting, abstracts selected for oral paper and poster presentation will be finalised.

Oral presentations will be evaluated for awards. The **three highest scoring** presentations will be **awarded**.

**Last date to send their interesting cases in various categories (mentioned in the brochure): 15<sup>th</sup> January 2018.**

## *Registration Details*

<b>Symposium</b>		
	<b>Faculty</b>	<b>Student</b>
<b>Upto 31 Dec 2018</b>	Rs. 2500	Rs. 1500
<b>1 Jan – 15 Feb 2019</b>	Rs. 3500	Rs. 2500
<b>15<sup>th</sup> Feb 2019 onwards</b>	Rs. 5000	Rs. 4000
<b>Workshop</b>		
<b>Till 20<sup>th</sup> Feb 2019</b>	Rs 700	Rs 700

**For registration: [www.ilbs.in](http://www.ilbs.in)**

**[https://www.ilbs.in/?page=conferenceform\\_registration](https://www.ilbs.in/?page=conferenceform_registration)**

### **Address for Correspondence :**

*Conference Secretariat*

Dr. Radhika Kapil (9650965050)

Dr. Sadaf Khan (7090682469)

Address: Department of Hematology,  
Institute of Liver and Biliary Sciences, New Delhi 110070

Phone no.: 46300000 ext : 16029

Email : [isth.ilbs@gmail.com](mailto:isth.ilbs@gmail.com)